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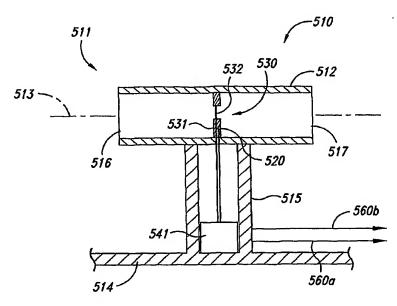
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(54) Title: METHODS AND SYSTEMS FOR DETECTING ICING CONDITIONS



(57) Abstract: Methods and systems for detecting icing or incipient icing conditions external to a vehicle (100) are disclosed. An apparatus in accordance with one embodiment of the invention includes a temperature sensor (120) configured to direct a first signal corresponding to a temperature of an airstream, and a water content sensor (130) configured to direct a second signal corresponding to a water content of the airstream. A processing unit (140) can receive the first and second signals and, based on at least the first and second signals, provide an indication (150) when at least the first and second signals taken together correspond to an at least incipient icing condition. Accordingly, the system can be installed on aircraft to provide notice to the crew of incipient or existing icing conditions.